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OM nucleic - nucleic search, using sw model

Run on: July 1, 2002, 16:34:12 ; Search time 415.2 Seconds
(without alignments)
2573.472 Million cell updates/sec

Title: US-09-303-518D-651

Perfect score: 4350
Sequence: 1 atgaacaacacgcaacaacg.....aattagctaccgctcgta 4350

Scoring table: IDENTITY_NDC
Gapop 10.0 , Gapext 1.0

Searched: 38353 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database :
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1348	31.0	4319	4	US-08-296-791-1
2	1348	31.0	4319	5	PCR-US95-10661A-1
3	191.2	4.4	4899	2	US-08-210-535-5
4	191.2	4.4	4899	6	5268270-1
5	61.4	1.4	7218	1	US-08-232-463-14
6	47.6	1.1	3469	2	US-08-728-323A-1
7	47.6	1.1	32207	4	US-08-770-379A-20
8	47.6	1.1	32207	4	US-08-757-669A-20
9	47.6	1.1	32207	4	US-09-230-371A-20
10	43.8	1.0	4403765	4	US-09-103-840A-2
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12	42.2	1.0	400	4	US-09-056-556-179
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16	40.8	0.9	289	4	US-09-244-796-17
17	39.2	0.9	1439	4	US-08-056-556-167
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29	38.6	0.9	4008	3	US-08-726-214-3
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42	37.8	0.9	1791	2	US-08-961-240-3
43	37.8	0.9	1791	2	US-08-605-501-3
44	37.8	0.9	1931	2	US-09-130-114-2
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46	37.8	0.9	2056	1	US-08-607-321-13
47	37.8	0.9	2056	2	US-08-961-240-13
48	37.8	0.9	2056	2	US-08-605-501-13
49	37.8	0.9	2056	2	US-08-387-942C-1
50	37.6	0.9	459	2	US-07-982-712-1
51	37.6	0.9	688	4	US-08-998-416-915
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83	35.6	0.8	656	4	US-08-998-416-974
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ALIGNMENTS

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RESULT 1
US-08-296-791-1
; Sequence 1, Application US/08296791
; Patent No. 6245337
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GENERAL INFORMATION:
; APPLICANT: St. Geme III, Joseph W.
; APPLICANT: Falkow, Stanley
; TITLE OF INVENTION: Haemophilus Adherence and Penetration
; TITLE OF INVENTION: Protein
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Honbach, Test, Albritton & Herbert
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
;
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/296,791
; FILING DATE: 25-AUG-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Treacartin, Richard F.
; REGISTRATION NUMBER: 31,801
; REFERENCE/DOCKET NUMBER: A-59941/REF/RMS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ. ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4319 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 60..4241
; US-08-296-791-1

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Query Match 31.0%; Score 1348; DB 4; Length 4319;
 Best Local Similarity 59.0%; Pred. No. 0;
 Matches 2551; Conservative 0; Mismatches 1565; Indels 210; Gaps 9;

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Qy 433 aattataagccctgacattacaccccttacaacgagcalttancatatagtccgtttgcat 492
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Qy 493 aaattgcatcagatcagaaacctgtcgaatatacgaatgacatgaggggaatacctat 552
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Qy 4285 gccgcaaacgagcgcgcaactggaagcgcaacgagcgcgatcaaatgagctacgc 4344
Db 4179 AATCTCAAGGTTCACTACACTCGGCAAAACGAAATGTTGGCGTGAATTTGGCTATCGT 4238
Qy 4345 tggtaa 4350
Db 4239 TGGTAA 4244

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RESULT 2

PCT-US95-10661A-1

Sequence 1, Application PC/TUS9510661A

GENERAL INFORMATION:
 APPLICANT: Washington University, et al.
 TITLE OF INVENTION: Haemophilus Adherence and Penetration Protein

NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert

STREET: 4 Embarcadero Center, Suite 3400
 CITY: San Francisco
 STATE: California

COUNTRY: United States
 ZIP: 94111-4187

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10661A
FILING DATE: 16-AUG-1995
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/296,791
FILING DATE: 25-AUG-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Treacallin, Richard F.
REGISTRATION NUMBER: 31,801
REFERENCE/DOCKET NUMBER: FP-59941/RET
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4319 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS
LOCATION: 60..4241
PCT-US95-10661A-1

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Query Match 31.0%; Score 1348; DB 5; Length 4319;
Best Local Similarity 59.0%; Pred. No. 0;
Matches 2551; Conservative 0; Mismatches 1565; Indels 210; Gaps 9;

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Qy 133 acttattcgacataactcaactactatcgcgacttgcggaataaagcaagttt 192
Db 141 ACTAATTTTGGATGATGATTAATATATATGATGATTTTCCGAGATTAAGGAGGAGTTC 200
Qy 193 gcaatcgagcggaagatattgaggtntacacaaagggaggttgcgcgaatca 252
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Qy 313 gtggcgatcaatatattgtgagcggtgcacataacgagcggtctataacacgttattt 372
Db 321 GTTGAATATCAATATATATGATGAGCGTGGCACATTAACGTAGATTAACAGATTTGATTTT 380
Qy 373 ggtcggaggaagaaatcccgatcagacggtttcttaccaaattgtaaaagaaat 432
Db 381 GGTGAGAGGGAACCAACCCGATCAACATCGTTTACTTATAAGTTGTAACAAACGAAT 440
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Db 441 AACTCAAAAAAAGATTAATTTACATCTTATGAGAGCATTAACATTAATTCACGATTCAT 500
Qy 493 aaatttgcagatgacgaacccgtgcgaatgacgagtgatgacgaggggaaatcat 552
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Db 561 TCAGATGAACAAATATTCAGAACGTTTGTATCGCTGTGAGACGCGAGTTTGGCGA 620
Qy 613 tatgatgtaacaaacagcgagttatcctactcgcgagcagatggttaattgcygcaat 672
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QY	1753	tacaacggttggtttggcgagaagaatcgcgcacaacacgagcgcgctcaacctgtt	181
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QY	1813	taccgagccgcgcgagaagaacgcgcaccngctgtcttcgcgcgaaacaattaaacgcg	1872
Db	1809	TATTAACCAACACACAGAAAGATGCTACTTGGCTACTTTCAGGTGTACAAATTTAAAGGC	1866
QY	1873	aacatacgcacaacaaacggaacactgttttctggcgacgagccgaacccgcac	1933
Db	1869	GATATTATCCCAACAAAAGTAATATTTTTCAGCGGTAGACCGACCCGACCGCTAC	1928
QY	1933	aatcatttagaagcggggtgttcaaaaatgtgaagtaacctacaagagaatcgtgtg	1992
Db	1929	AATCATTTTAATAAACGTTGGTCAGAAATGSAAGCTATACCACAGCGCAATTTGTGTG	1988
QY	1993	gaaacagacttgatnaccgcacgctttaagcggaaaaattcatactcaagcgcgacg	2055
Db	1989	GATCACGATTTGGATCAACCGTACATTTAAACCTGCAAACTTCCAAATTTAAGCGGAGT	2048
QY	2053	gcggtgatttcccgcaatgttgcacaagttgaagcgatgnatttgacaatacgc	2112
Db	2049	GGGGTGGTTTCGGCAATGTTCTTTCATTTGAGGGAATTGGACACTCAGCATATATGA	2108
QY	2113	caagcagttttgtgtgtcgcacgcacatcaaaagccatacaactgttcaacgcttcgcgctg	2172
Db	2109	AATGCCACTTTGGGTGTGTGCCAAATCAACAAATAATACCTATTGTCACGCGTTCAATGG	2168
QY	2173	acmgcttgcacaatgtgtgtcgaaaanaacattacagacgaataagtgttctcatg	2232
Db	2169	ACAGGATTACGACTTGTCCAAAAGTGGATTTAACGATACAAAATTTATTTATTTCTATA	2228
QY	2233	actaagacnagactnagcgcantgtlnagctnmcnactnagctnmtntnaaenctcn	2292
Db	2229	CCAAAACACAAATCAATAGGCTCTATTAATTAACTGATATATGCAACGGCGAATGTAA	2288
QY	2293	ggcgctgmnaactnaanggaacttaagtcgcaaaatggcgatacagctatacgtacgc	2352
Db	2289	GGTTTAGCAAAACTTAAATGGCAATGTACTTTAAACAATACAGCCAAATTTACATTAAAGC	2348
QY	2353	cacaaagccacccaacaaacggaactagctgtggtggaatgcgaagcaaacattat	2412
Db	2349	AACATATGCCACCCAAATATGGAATATTCG-----	2377
QY	2413	caagcacataaagcgcgaacnactcgmntcgggcaatgctcttaacttaagcaac	2472
Db	2378	-----	2377
QY	2473	aacgcgcacaaaacgagcttgcagcttccgcgaacgcgttaagcaaaagtaagcat	2532
Db	2378	-----	2377
QY	2533	tcgcgaactaacggaactgtctccctcctcagccgaataagcagtaattccatttggaaacgc	2592
Db	2412	GCAAACTTGAACGGTATGTGCAATTTAACGGATTACGTCAATTTCTTTAAAAAAGCAGC	2471
QY	2593	cgctttccgcgaacacacgcgcgcgcgaaganaagcgtacacttaaaagcagcgaa	2652
Db	2472	CATTTTTCGACCAAAATTCAGGGAAGCAAAAGGCACACAGTGTACCTTGAAAAATGCGACT	2531
QY	2653	tggacgctgcgcgtcagcagaagaaataggcaatttaaaccttgacaagcgaccattaca	2712
Db	2532	TGGACATAGCCTTAGCGATATCATTTGGAGAAATTTAAGCTTAATTAACAGTACATCAGC	2591
QY	2713	ctcaattcgcctatcgccaagatgtctgacgagcgcaaacccgcgcagngtgcagacag	2772
Db	2592	TTTAATTCACCTTATT-----	2627
QY	2773	ccgcgcgcgccttcgcgcgccttcctcctattatccgcttaacccgcgaacttggtaagatcc	2832
Db	2628	CCAGG-----	2678
QY	2833	cgtttcaacacgctgcaggtlaaacgcgaattgaacngtcaaggaacatccgccttata	2892

[illegible]

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Db 3759 ATCAGTCGCGAGTAAATGGCTGAGAACAAACCCGAAAAATTCAATGCAAAAAAGCATAAAT 3818
Qy 3925 tacggcattcaaggcacagataccgcgcgggtlctggcggaattcggcatcgcgaacgctacac 3984
Db 3819 TATGGCGTGAATCAAGTTATTCAGTTCGCTTTAGGGCAATTGGCGCATTCACGCTTATTTT 3878
Qy 3985 ggcgcaacgcgctatttcgctccaaaaggcggaattacccgtacgaaaacgtcaatatcgcc 4044
Db 3879 GGAATTATCGCTATTTTATTGAACTGAAATTTATCAATCTGAGAGAGTGAAGTGA 3938
Qy 4045 accccggtcttgcttcaaccgntatccngcgggcataaagcagattatcattcaaa 4104
Db 3939 ACGGCTAGCCCTTGCAATTATTCGCTAATATGCTGGCATTCGAGTTGATTAATCACTTACT 3998
Qy 4105 ccggcgcaacaacatntccacacacnctttnagcctctccataccagtcgctcg 4164
Db 3999 CCGACATATATATACACGCTTAAGCCCTTATTTCTGTAATTAATGTTGATTTTCAAC 4058
Qy 4165 ggcgaagtcggaacacgcgcgaataccgngatlgctcgaagattcggcaaaaccgc 4224
Db 4059 GCTACGTAACAACACAGGTAAATCTCAGCGTGTGCACAACAACATTGGACGTATTTGG 4118
Qy 4225 agtcggaatggggcgtaaacgcgcgaatacaagtttcagcgtgctntccacgtcg 4284
Db 4119 CAAAAGAGAGTGGATTAAAGGAGAAATTTTACATTTCCAAATTTCCGCTTTTATCTCA 4178
Qy 4285 ggcgcgaacagncgcgaacgtggaagcgcaacacagcgcggcatacaattagctaccgc 4344
Db 4179 AATATCTCAAGTTTCAACAATCTGGCAAAACACAAATATGTGGCGTGAATTTGGCTATGCT 4238
Qy 4345 tggtaa 4350
Db 4239 TGGTAA 4244

RESULT 3
US-08-210-535-5
Sequence 5, Application US/08210535
Patent No. 5965424
GENERAL INFORMATION:
APPLICANT: Ambrosius, Dorothea
APPLICANT: Amy, Carola
APPLICANT: Rudolph, Reiner
TITLE OF INVENTION: Reclombiant Iga Protease
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/210,535
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/820,701
FILING DATE: 10-Jan-1992
APPLICATION NUMBER: DE 41 00 704.2
FILING DATE: 11-Jan-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 41 40 699.0
FILING DATE: 10-Dec-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5965424man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: HUBR 1006

```


TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 4899 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-210-535-5

Query Match 4.4%; Score 191.2; DB 2; Length 4899;
Best Local Similarity 60.3%; Pred. No. 4e-42;

Matches 332; Conservative 0; Mismatches 216; Indels 3; Gaps 1;

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QY 1161 ttctatcgattacggcaacgcaaacatcattatcaaacacatcaacgaagcgcg 1220
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DB 1207 tggtaaccttgaagacacacgacgacttggtaattgaatcaaaacacacgaagcgcg 1266
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 1221 cgtttgatttgaagtgattttagcgtctgcctgaaacacga---aacgtggca 1277
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1267 cggcctgttttcaaaagcgattacacagtcacaaagcgcaaatatgacatcttggt 1326
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QY 1278 aggcgcggcgctcatatcagtgaaagacgtaccgttacttgaaagtaacgcgctg 1337
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DB 1327 aggtgcggcgatgtatgtgtgacgacgcaaaaagctgttggaatcaaaatccgaa 1386
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 1338 aaagcgcgcctgtccaaatcggcaagcagcgtcagcttcaagcgaaggggaa 1397
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1387 tggcgacagattggcaaaaatcgcaaaagcacttggaaatcaaaacgacgctttaa 1446
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QY 1398 ccaagctcgtatcagcgttggcgcaggtacagtcatttgatcagcagcgacagata 1457
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DB 1447 ccaagcgcaattaaagtcggcgacggtatgttctgaatcaaaacgacgctttaa 1506
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QY 1458 aggaacaaacacaccccttgatgaatcgcgttgnltacgcgcaggggtacgltgca 1517
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DB 1507 caaaaagttcagcgttctcccaagtcggcattgtcagcgacggtacatttgatt 1566
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QY 1518 gaatgcgataatcagtcacacccgacaacatctatcttggttgcgcgcggaagtt 1577
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DB 1567 aaatagttcaaatcagatgattcccgatcaatcttatttgggttccggtgctgtt 1626
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QY 1578 ggaattaaacggcattcgtcttccacgcgttataaaataccgatgaagggcgat 1637
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DB 1627 ggatgcgaatgcaatgacttgaacttggaaacatccgacgctgaaatgaagggcg 1686
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QY 1638 gatgncatcataatgcccacacacatccacgcttaccattacgaaggaatgaagat 1697
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DB 1687 cattgtcaacccaacacacgacacacgcttccacacatcacactcaaggttaactt 1746
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QY 1698 tacacaacga 1708
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DB 1747 taccaatccga 1757
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```

RESULT 4

5268270-1
; Patent No. 5268270
; APPLICANT: Meyer, Thomas F.; Halter, Roman; Pohlner, Johannes
; TITLE OF INVENTION: PROCESS FOR PRODUCING PROTEINS USING GRAM
; NEGATIVE HOST CELLS
; NUMBER OF SEQUENCES: 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/171,872
; FILING DATE: 01-JUL-1987
; SEQ ID NO: 1
; LENGTH: 4899
5268270-1

Query Match 4.4%; Score 191.2; DB 6; Length 4899;
Best Local Similarity 60.3%; Pred. No. 4e-42;
Matches 332; Conservative 0; Mismatches 216; Indels 3; Gaps 1;

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QY 1161 ttctatcgattacggcaacgcaaacatcattatcaaacacatcaacgaagcgcg 1220
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DB 1207 tggtaaccttgaagacacacgacgacttggtaattgaatcaaaacacacgaagcgcg 1266
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QY 1221 cgtttgatttgaagtgattttagcgtctgcctgaaacacga---aacgtggca 1277
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1267 cggcctgttttcaaaagcgattacacagtcacaaagcgcaaatatgacatcttggt 1326
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QY 1278 aggcgcggcgctcatatcagtgaaagacgtaccgttacttgaaagtaacgcgctg 1337
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DB 1327 aggtgcggcgatgtatgtgtgacgacgcaaaaagctgttggaatcaaaatccgaa 1386
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QY 1338 aaagcgcgcctgtccaaatcggcaagcagcgtcagcttcaagcgaaggggaa 1397
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DB 1387 tggcgacagattggcaaaaatcgcaaaagcacttggaaataaacgcgcagcgcttaa 1446
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DB 1447 ccaagggcaattaaagtcgcgcaggtacggttattctgaatcaaaagccgatgcga 1506
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QY 1458 aggaacaaacacacgctttagtgaatcgcttgnltacgcgcaggggtacgltgca 1517
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DB 1507 caaaaagttcagcgttctcccaagtcggcattgtcagcgacggtacatttgatt 1566
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QY 1518 gaatgcgataatcagtcacacccgacaacatctatcttggttgcgcgcggaagtt 1577
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DB 1567 aaatagttcaaatcagatgattcccgatcaatcttatttgggttccggtgctgtt 1626
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QY 1578 ggaattaaacggcattcgtcttccacgcgttataaaataccgatgaagggcgat 1637
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DB 1627 ggatgcgaatgcaatgacttgaacttggaaacatccgacgctgaaatgaagggcg 1686
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QY 1638 gatgncatcataatgcccacacacatccacgcttaccattacgaaggaatgaagat 1697
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DB 1687 cattgtcaacccaacacacgacacacgcttccacacatcacactcaaggttaactt 1746
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QY 1698 tacacaacga 1708
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1747 taccaatccga 1757
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```

RESULT 5

US-08-232-463-14/C
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F.G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313

[illegible]

202000 ALCHAGAL

RESULT 8
US-08-757-669A-20/c
Sequence 20, Application US/08757669A
Patent No. 6183751
GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A.
APPLICANT: Russo, James J.
APPLICANT: Edelman, Isidore S.
APPLICANT: Moore, Patrick S.
TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS
TITLE OF INVENTION: SEQUENCES AND USES THEREOF
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.

ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/922,182
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/608,241
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.93511
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2408 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Rhodobacter sphaeroides
STRAIN: 2.4.1
FEATURE:
NAME/KEY: -35_signal
LOCATION: 262..267
FEATURE:
NAME/KEY: -10_signal
LOCATION: 285..290
FEATURE:
NAME/KEY: CDS
LOCATION: 346..1476
OTHER INFORMATION: /product= "Adhi Class III Alcohol
OTHER INFORMATION: Dehydrogenase Gene"
US-08-922-182-1

Query Match 0.9%: Score 39.2; DB 2; Length 2408;
Best Local Similarity 49.7%; Pred. No. 0.83;

Matches 98; Conservative 0; Mismatches 99; Indels 0; Gaps 0;

QY 3662 cctaccgcaacaacacgacgtgcccgaatcgatgcagaanaacccgcgacgagc 3721
DB 767 CCTTCTCGAAGATCTGCTACATCGGCTGCGGCTCCACACCGGATCGCGCCCGGATGCC 826
QY 3722 ggcgtgcgcatcctggtttgcacaacgcggaacacncttcgacgacgcatcgca 3781
DB 827 CCTTCTCGAAGATCTGCTACATCGGCTGCGGCTCCACACCGGATCGCGCCCGGATGCC 886
QY 3782 actcgacgagcttgccacgagccgcttttcgggcaatacgacgacgcatcgca 3841
DB 887 ACACGGCCAAAGTTCGAGATCGGCGCCCAAGGCCGTGGTGTTCGGGCTGGGCGGATCGGTC 946
QY 3842 tcggacatcagcagcagc 3858
DB 947 TCAACGTGATCCAGGCG 963

RESULT 20
US-08-919-953-1
; Sequence 1, Application US/08919953

Patent No. 5837481
GENERAL INFORMATION:
APPLICANT: Donohue, Timothy J
APPLICANT: Barber, Robert D
APPLICANT: Wiltbuhn, Vernon
TITLE OF INVENTION: MICROBIAL SYSTEM FOR FORMALDEHYDE
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/919,953
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/608,241
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.93511
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2408 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Rhodobacter sphaeroides
STRAIN: 2.4.1
FEATURE:
NAME/KEY: -35_signal
LOCATION: 262..267
FEATURE:
NAME/KEY: -10_signal
LOCATION: 285..290
FEATURE:
NAME/KEY: CDS
LOCATION: 346..1476
OTHER INFORMATION: /product= "Adhi Class III Alcohol
OTHER INFORMATION: Dehydrogenase Gene"
US-08-919-953-1

Query Match 0.9%: Score 39.2; DB 2; Length 2408;
Best Local Similarity 49.7%; Pred. No. 0.83;

Matches 98; Conservative 0; Mismatches 99; Indels 0; Gaps 0;

QY 3662 cctaccgcaacaacacgacgtgcccgaatcgatgcagaanaacccgcgacgagc 3721
DB 767 CCTTCTCGAAGATCTGCTACATCGGCTGCGGCTCCACACCGGATCGCGCCCGGATGCC 826
QY 3722 ggcgtgcgcatcctggtttgcacaacgcggaacacncttcgacgacgcatcgca 3781
DB 827 CCTTCTCGAAGATCTGCTACATCGGCTGCGGCTCCACACCGGATCGCGCCCGGATGCC 886
QY 3782 actcgacgagcttgccacgagccgcttttcgggcaatacgacgacgcatcgca 3841
DB 887 ACACGGCCAAAGTTCGAGATCGGCGCCCAAGGCCGTGGTGTTCGGGCTGGGCGGATCGGTC 946

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/921,177
 FILING DATE: 29-AUG-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/362,577
 FILING DATE: 27-MAR-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Rln-laures, Li-Hsien
 REGISTRATION NUMBER: 33,547
 REFERENCE/DOCKET NUMBER: 19036/32420
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312/474-6300
 TELEFAX: 312/474-0448
 TELEX: 25-3856
 INFORMATION FOR SEQ. ID. NO. 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 5975 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: Genomic DNA
 ORIGINAL SOURCE:
 ORGANISM: Klebsiella pneumoniae
 STRAIN: Clinical Isolate KI-50
 IS-08-921-177-23

[illegible]

US-08-362-577C-23
US-08-362-577C-23
Sequence 23, Application US/08362577C
Patent No. 5807673
GENERAL INFORMATION:
APPLICANT: Ohno, Tsuneya
APPLICANT: Matsuhisa, Akio
APPLICANT: Uehara, Hirotsugu
APPLICANT: Eda, Soji
TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/362,577C
FILING DATE: 27-MAR-1995

CITY: WILMINGTON
STATE: DELAWARE

	Query Match	0.9%	Score 38.2;	DB 2;	Length 639;
	Best Local Similarity	46.28;	Pred. No. 0.8;		
	Matches 121;	Conservative	0;	Mismatches 141;	Indels 0;
	Gaps				
3676	accacactgcgcacaatcgatgacagaaacactgcgcagcgcgcgcgtgcgcatctc	3735			
3683	tt	3733			

RESULT 35
US-08-419-075-2/c
; Sequence 2, Application US/08419075
; Patent No. 5939599

1 TITLE OF INVENTION: A High Sulfur Seed
2
3 TITLE OF INVENTION: Protein Gene and
4
5 TITLE OF INVENTION: Method for Increasing
6
7 TITLE OF INVENTION: the Sulfur Amino Acid
8
9 TITLE OF INVENTION: Content of Plants
10
11 NUMBER OF SEQUENCES: 28
12
13 CORRESPONDENCE ADDRESS:
14
15 ADDRESSEE: E. I du Pont de Nemours

Query Match	0.9%;	Score 38.2;	DB 2;	Length 639;
Best local Similarity	46.2%;	Pred. No. 0.8;		
Matches 121; Conservative	0;	Mismatches 141;	Indels 0;	Gaps 0

QY	3676	accgaactgtgc	ccaaatc	cggtat	gcag	aaanaa	aaactc	ggaagc	gagc	ggtc	ggatc	ctg	3735
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QY	3736	ttttgc	caaca	ccg	gag	caaaa	caanct	tcg	acg	agc	gcat	tcg	3795
DB	322	ATTGGT	GATCAT	CAAT	AGTC	GGCAC	CAAT	CAAT	CGAT	GAT	CACT	CGGAT	263
QY	3796	gccca	cgcg	cg	cggt	tttc	gcg	caata	gcg	atc	g	gcag	3855
DB	262	GTCAT	CGGTGG	GATCAT	ACCG	GATCAT	ATT	TGG	CATCT	GG	CAC	TCG	203
QY	3856	gagc	gcg	ggt	ttt	at	g	acg	cg	g	caat	ctn	3915
DB	202	GCCAC	ACAGT	CTGC	GCAG	CAT	GAG	GGT	GGC	AC	CTTA	CAAGT	143
QY	3916	gtct	gc	gtc	atc	gc	g	atc	tc	gc	atc	gc	3937
DB	142	TTT	CAT	GCA	GTAT	GT	CAT	CTCA	AG	121			

RESULT 36
US-08-419-075-20/c
; Sequence 20, Application US/08419075
; Patent No. 5939599
; GENERAL INFORMATION:
; APPLICANT: Saverio C. Falco
; APPLICANT: Chok-Fun Chui

[illegible][illegible]

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1  RESULT 39
2  US-08-419-075-1/c
3  ; Sequence 1, Application US/08419075
4  ; Patent No. 5935599
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Saverio C. Falco
7  ; APPLICANT: Chok-Fun Chui
8  ; APPLICANT: Janet A. Rice
9  ; TITLE OF INVENTION: A High Sulfur Seed
10 ; TITLE OF INVENTION: Protein Gene and
11 ; TITLE OF INVENTION: Method for Increasing
12 ; TITLE OF INVENTION: the Sulfur Amino Acid
13 ; TITLE OF INVENTION: Content of Plants
14 ; NUMBER OF SEQUENCES: 28
15 ; CORRESPONDENCE ADDRESS:
16 ; ADDRESSEE: E. I. du Pont de Nemours
17 ; ADDRESSEE: and Company
18 ; STREET: 1007 Market Street
19 ; CITY: Wilmington
20 ; STATE: Delaware
21 ; COUNTRY: U.S.A.
22 ; ZIP: 19898
23 ; COMPUTER READABLE FORM:
24 ; MEDIUM TYPE: Diskette, 3.50 inch,1.0MB
25 ; COMPUTER: Macintosh
26 ; OPERATING SYSTEM: Macintosh System, 6.0
27 ; SOFTWARE: Microsoft Word, 4.0
28 ; CURRENT APPLICATION DATA:
29 ; APPLICATION NUMBER: US/08/419,075
30 ; FILING DATE:
31 ; CLASSIFICATION: 800
32 ; PRIOR APPLICATION DATA:
33 ; APPLICATION NUMBER: US/08/098,371
34 ; FILING DATE:
35 ; APPLICATION NUMBER: 07/656,687
36 ; FILING DATE: 14-FEB-1991
37 ; ATTORNEY/AGENT INFORMATION:
38 ; NAME: Linda Axamethy Floyd
39 ; REGISTRATION NUMBER: 33,692
40 ; REFERENCE/DOCKET NUMBER: BB-1027-A
41 ; TELECOMMUNICATION INFORMATION:
42 ; TELEPHONE: (302) 992-4929
43 ; TELEFAX: (302) 892-7949
44 ; TELEX: 833420
45 ; INFORMATION FOR SEQ ID NO: 1:
46 ; SEQUENCE CHARACTERISTICS:
47 ; LENGTH: 2123 nucleotides
48 ; TYPE: Nucleic Acid
49 ; STRANDEDNESS: single
50 ; TOPOLOGY: linear
51 ; MOLECULE TYPE: genomic DNA
52 ; HYPOTHEICAL: NO
53 ; ANTI-SENSE: NO
54 ; FRAGMENT TYPE:
55 ; ORIGINAL SOURCE:
56 ; ORGANISM: Zea mays L
57 ; STRAIN: unknown
58 ; CELL TYPE: unknown
59 ;

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NAME: BROWDI, ROGER L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: KUBOTA-5
TELECOMMUNICATION INFORMATION:

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1      CURRENT APPLICATION DATA:
2      APPLICATION NUMBER: US/08/607,321
3      FILING DATE: 26-FEB-1996
4      CLASSIFICATION: 435
5      PRIOR APPLICATION DATA:
6      APPLICATION NUMBER: US 08/399,646
7      FILING DATE: 07-MAR-1995
8      APPLICATION NUMBER: JP 59834
9      FILING DATE: 07-MAR-1994
10     PRIOR APPLICATION DATA:
11     APPLICATION NUMBER: JP 59840
12     FILING DATE: 07-MAR-1994
13     ATTORNEY/AGENT INFORMATION:
14     NAME: BROWDY, Roger L.
15     REGISTRATION NUMBER: 25,618
16     REFERENCE/DOCKET NUMBER: KUBOTA-5
17     TELECOMMUNICATION INFORMATION:
18     TELEPHONE: 202-658-5197
19     TELEFAX: 202-737-3528
20     TELEX: 248633
21     INFORMATION FOR SEQ. ID NO. 3:
22     SEQUENCE CHARACTERISTICS:
23     LENGTH: 1791 base pairs
24     TYPE: nucleic acid
25     STRANDEDNESS: single
26     TOPOLOGY: linear
27     MOLECULE TYPE: CDNA
28     FEATURE:
29     NAME/KEY: CDS
30     LOCATION: 1..1791
31     OS-08-607-321-3

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[illegible]

RESULT 42
US-08-961-240-3
; Sequence 3, Application US/08961240
; Patent NO. 5830715
; GENERAL INFORMATION:
; APPLICANT: KUBOTA, Michio
; APPLICANT: TSUSAKI, Keiji

APPLICANT: HATTORI, Kazuko
 APPLICANT: SUGIMOTO, Toshiyuki
 TITLE OF INVENTION: DNA ENCODING ENZYME, RECOMBINANT DNA AND
 TITLE OF INVENTION: ENZYME, TRANSFORMANT, AND THEIR PREPARATIONS AND USES
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BROWDY AND NEIMARK
 STREET: 419 Seventh Street, N.W., Suite 300
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/961,240
 FILING DATE: 30-OCT-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA: US 08/399,646

? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/399,646
? FILING DATE: 07-MAR-1995
? ?
? APPLICATION NUMBER: JP 59834
? ?
? FILING DATE: 07-MAR-1994
? ?
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: JP 59840
? FILING DATE: 07-MAR-1994
? ?
? ATTORNEY/AGENT INFORMATION:
? NAME: BROWDY, Roger L.
? REGISTRATION NUMBER: 25,618
? REFERENCE/DOCKET NUMBER: KUBOTA=5
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 202-628-5197
? ?
? TELEFAX: 202-737-3528
? ?
? TELEX: 248633
? ?
? INFORMATION FOR SEQ ID NO: 3:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1791 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: CDNA
? ?
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 1..1791
?
US-08-961-240-3

Query Match	0.9%;	Score 37.8;	DB 2;	length 1791;
Best Local Similarity	42.9%;	Pred. 11.7;		
Matches 168;	Conservative	0;	Mismatches 224;	Indels 0;
QY 3381	cgaagcggaaaccgcgcggnntaccaacgcgttcccccgcgcgcgncgcgcgcgcggga	3440		
Db 873	CGCGGAGGTGGGAGCGGCGCTGACGCTCATCGCCGAGTCCGACCTTAACACACCCGGGGCT	932		
QY 3441	tttgcgcgaacgcgcgaagccccaaccgcgaacttcaaccccaacgcgcgaagcgcgtatnag	3500		
Db 933	GCTGTACCCCGGGGAGCTCAACGGGTACGGGGTGGAAAGGCGACTGGAGCGACGACTTTCCA	992		
QY 3501	ccgttatgcgaatagcggltttgagtgaattttccgcgaagcgtcaacaagcgttttcgcgct	3560		
Db 993	CCACGCGGTCCAGTCAAGTCACCGGCGAACCACCGCTACTACGTACTCTTCGATC	1052		
QY 3561	acaagacgaaattggaaccgcgltttgcgcgaagaagcgcgcgaagcngtttggacaagcng	3620		
Db 1053	GCTGGCGGCTCCGCCAAGGTGCTCCCGGAGCGGCTTCTTCCACGACGCGAGTACTTCAG	1112		
QY 3621	catccggnacacccaataacatacgcgttgcgaagaattttcgcgcgtacacgcgaacaataacga	3680		
Db 1113	CTTCCGGGAACGCCACCAACGAGCGGCCGATTAATTTCATAGCGCCGTACACCACCGCGCT	1172		

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Db 640 GAGGGGAGGACGGGAGGACGGGAGGACGAGGACGGGAGGAGACGACGAGGACGGGGAG 581

3310 ggcatattgcaggcgaggaagaagaaacgcgtgcagcgcataaagacgcgttg 3365

Db 580 GAGGGGAGGACGGGAGGACGAGGACGGGAGGACGGGAGGACGAGGACGAGGAGCGG 521

